

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Hiroto SUGAHARA

Conf.

Application No. **NEW NONPROVISIONAL**

Group

Filed February 24, 2004

Examiner

OPTICAL TRANSMISSION LINE AND OPTICAL TRANSMISSION SYSTEM

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 24, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Copies of the U.S. patents or publications are not submitted since the USPTO has waived their submission for applications filed after June 30, 2003.
- ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should have been forwarded from the International Search Authority pursuant to the trilateral agreement between the USPTO, EPO and JPO, or they are U.S. patents or U.S. published applications. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached non U.S. patents, non U.S. patent application publications, foreign publications, or other information in the English language do not require a statement of relevancy.

b. ☒ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

Abstracts are provided.

c. ☐ **FOREIGN SEARCH REPORT OR ACTION**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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Enclosures: ☒ Form PTO-1449(s)
☒ Documents
☐ Foreign Search Report
☐ Other: _____

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.:
8001-1184

Application No.:
NEW NONPROVISIONAL

Applicant:
Hiroto SUGAHARA

Filing Date:
February 24, 2004

Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	JP 2002-280959	9/27/2002	JAPAN				
	JP 2000-236297	8/29/2000	JAPAN				
	JP 5-344075	12/24/1993	JAPAN				
	JP 6-318914	11/15/1994	JAPAN				
	JP 9-162805	6/20/1997	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	T. Naito et al., "1 terabit/s WDM transmission over 10,000 km", European Conference on Optical Communication 1999, PD2-1, September 1999
	T. Tsuritani et al., "21.4 Gbit/s x 56 WDM 9170 km transmission using symmetrical dispersion managed fiber span", European Conference on Optical Communication 2001, PD.M.1.6, September 2001
	H. Sugahara et al., "9,000-km transmission of 32 x 42.7 Gb/s dense-WDM signals using 195-um2-Aeff fiber and inverse double-hybrid span configuration", Optical Amplifier and their Applications 2002, PD3, July 2002

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* Abstract provided for the Examiner's convenience